| POSITION                  | INITIALS | ID NO. | DATE |
|---------------------------|----------|--------|------|
| FEE DETERMINATION         |          |        |      |
| O.I.P.E. CLASSIFIER       |          |        |      |
| FORMALITY REVIEW          |          |        |      |
| RESPONSE FORMALITY REVIEW |          |        |      |

## **INDEX OF CLAIMS**

|   | Reject                   |        |          |
|---|--------------------------|--------|----------|
|   | (Through numeral) Cancel | · .    | Appeal   |
| • | Restric                  | nted 0 | Objected |

| Clair                                 | m<br>m  | ×        |                         |                | _        |              |          |          |              |                    |          |    |              | •         |          |           |              |              |              |          |          |          |                     | _        | _        |            |         |          |              |  |          |              |                  |          |          |
|---------------------------------------|---------|----------|-------------------------|----------------|----------|--------------|----------|----------|--------------|--------------------|----------|----|--------------|-----------|----------|-----------|--------------|--------------|--------------|----------|----------|----------|---------------------|----------|----------|------------|---------|----------|--------------|--|----------|--------------|------------------|----------|----------|
| Final                                 | nal     | ~        |                         |                |          | Date         |          |          |              |                    |          |    | Clai         | m         | <u>~</u> | _         |              |              | Date         |          | _        |          |                     | _        | Cla      | im         |         |          | Į            | Date   | _        |              |                  |          |          |
|                                       | ģ       | 2/2/     | 11/40                   |                |          |              |          |          |              |                    |          |    | Final        | Original  | 92/03    | •         |              |              |              |          |          |          |                     |          | Final    | Original   |         |          |              | ;<br>1   | . ,<br>  | - 4          | - <b>\$</b><br>∷ | وم<br>ا  | -        |
|                                       | o<br>M  | 9        | 긕                       | $\dashv$       | +        | +            | $\dashv$ | $\dashv$ | -            | $\dashv$           | $\dashv$ |    | -            | 57        | ₹        | ŀ         | H            | ┪            | +            | +        | $\dashv$ | $\dashv$ | $\dagger$           | +        | F        | 101        | +       | Н        | $\dashv$     | +  | $\dashv$ | $\dashv$     | 寸                | $\dashv$ | $\dashv$ |
| H                                     | ¥       | Н        | 7                       | 7              | Ť        | 7            | 7        | 1        | ┪            |                    | ヿ        |    |              | 52        | Ì        | ī         |              |              | 1            | Ī        |          |          |                     |          |          | 102        |         |          |              |  | $\Box$   |              | $\Box$           |          |          |
|                                       | 4       |          |                         |                |          |              |          |          | ·            |                    |          |    |              | 53        | П        |           | $\Box$       |              |              | $\perp$  |          |          |                     |          |          | 103        | $\perp$ | Ш        |              | _  | _        |              | _                |          |          |
| □                                     | 7       |          |                         | $\Box$         | $\Box$   | $\Box$       | $\Box$   |          |              | $\Box$             |          |    | $\Box$       | 54        | Ш        | $\perp$   | Ц            | -            | $\dashv$     | $\dashv$ | 4        | $\dashv$ | 4                   | 4        | _        | 104        | ╄       | $\vdash$ | $\dashv$     | 4  | $\dashv$ | -+           | 4                |          | _        |
| 4                                     | 1       | Ш        | Ш                       | _              | 4        | _            | 4        | 4        | _            | Н                  | _        |    | -            | 55        | H        | 1         | $\dashv$     |              | 4            | 4        | -        | +        | +                   | 4        | $\vdash$ | 105<br>106 | +       | H        | -            | 4  | $\dashv$ | $\dashv$     | +                |          | -        |
| $\vdash \vdash$                       | 1       |          |                         | -              | -        | -            | -        | -        | 4            | Н                  | $\vdash$ |    | $\dashv$     | 56<br>57. | ╂╂       | ╀         | $\vdash$     | $\dashv$     | $\dashv$     | $\dashv$ | -+       | $\dashv$ | +                   | 4        | -        | 107        | ╫       | +        | $\dashv$     | $\dashv$   | ᅱ        | -            |                  |          |          |
| $\vdash$                              | 1       | -        | Н                       | -              | -+       | -+           | ┥        |          |              | Н                  | $\dashv$ |    | $\dashv$     | 58        | Н        | ╁         | Н            | $\dashv$     | ┪            | +        | $\dashv$ | $\dashv$ | ╅                   | ┨        | $\vdash$ | 108        | ╁       | H        | $\vdash$     | $\dashv$   | $\dashv$ | $\dashv$     | ┪                |          | <u> </u> |
| $\vdash$                              | 7       | ╌        | $\vdash$                | -              | +        | $\dashv$     | $\dashv$ | -        | _            | Н                  |          |    |              | _         | ∜        | 1         | Н            | T            | 十            | +        | $\dashv$ | 十        |                     | ┪        |          | 109        | +       | T        | $\Box$       | 寸  |          | ╛            | ┪                |          | _        |
| $\vdash$                              |         | H        | Н                       |                | +        | $\dashv$     | 7        |          | _            | Н                  |          |    |              | 60        |          | T         | Н            | $\dashv$     | _            | $\neg$   | ヿ        | $\dashv$ | 十                   | 1        |          | 110        | $\top$  | T        |              |  |          | $\sqcap$     | ヿ                | -        |          |
| H                                     | #       | t.       | $\vdash$                |                |          | 7            | -        |          | -            |                    |          | _  |              | 61        | V        | T         |              |              | $\neg$       | 寸        |          |          | 1                   | ٦Ŀ       |          | 111        |         |          |              |  |          |              |                  |          |          |
| 1                                     | ¢       |          | -                       | H              |          |              |          |          | -            | _ 1                |          |    |              |           | Ŋ        | -         |              | ı            |              |          |          | $\Box$   | 1                   | ]-       | $\cdot$  | 112        | I       |          |              |  |          |              |                  |          |          |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | þ       |          |                         |                |          |              |          |          |              |                    |          |    |              | 63        | <b>.</b> |           |              |              | _]           | $\prod$  | _[       | _        |                     | 4        | _        | 113        | 1       | <u> </u> |              |  | _        |              |                  | _        | $\vdash$ |
|                                       | 1       | 匚        |                         |                |          |              |          |          | L            | $oxedsymbol{oxed}$ | L        | l  | $oxed{oxed}$ |           | V        | 4         | Ц            | Ш            | _            | _        | _        | 4        | $\dashv$            | 4        | <u>_</u> | 114        | +       | $\vdash$ |              | -  |          |              | _                | _        | $\vdash$ |
| Ш                                     | Ų       | 1        | L                       | _              | Ц        |              | _        |          | _            | <u> </u>           | ldash    | 1  | L            | 65        | (2       | 4         |              | Ш            | $\dashv$     | 4        | 4        |          | +                   | 4        | -        | 115<br>116 | +       | +        | Н            | $\dashv$   |          | Н            | _                |          | ⊢        |
| -2                                    | 1       | 1        | 厂                       |                | $\vdash$ |              | Ц        |          |              | ⊢                  | L        |    | <u> </u>     | 66<br>67  | : <      | 1         | H            | Н            | -            | -        | $\dashv$ | $\dashv$ | +                   | $\dashv$ | -        | 117        | +       | ╁        | $\vdash$     | $\dashv$   |          |              | $\dashv$         | _        | ⊢        |
|                                       | Н       | 13       | 1                       | <u> </u>       | Н        | $\dashv$     | _        | H        | $\vdash$     | ╁                  | _        |    | -            | 68        | 77       | ₩         | ⊢            | Н            |              | $\dashv$ | $\dashv$ | $\dashv$ | +                   | $\dashv$ | $\vdash$ | 118        | +       | ╁        |              |  |          |              |                  | -        | H        |
| H                                     | H       | -        | ⊢                       | -              | Н        | $\vdash$     | Н        | -        | -            | $\vdash$           | H        |    | -            | 69        | N        | ╫╴        | ╁╴           | Н            | $\dashv$     | ┪        | 7        | 7        | +                   | $\dashv$ |          | 119        | +       | t        | Н            | $\vdash$   |          |              | Н                | Т        | Г        |
| H                                     | 1       | +        | ╁                       | ╌              | Н        | Н            |          | H        | -            | 1                  | H        |    | <del> </del> | 70        | V        | 1         | 1            |              | $\dashv$     |          | 一        | ┪        | 十                   | ٦.       | $\vdash$ | 120        | $\top$  | 1        | ┰            |  |          |              |                  |          | T        |
| Н                                     | H       | +        | ╁╌                      |                | $\vdash$ | Н            | $\vdash$ | $\vdash$ | -            | ╁╌                 | H        | 1  | H            | 71        | ۲        | ╫         | -            | $\vdash$     |              | ┪        | -        |          | $\dashv$            | ┪        |          | 121        | ╅       | 十        | $t^-$        |  |          | -            |                  |          | $\vdash$ |
| Н                                     | Ł       | +        | ╫                       | ┢              | Н        | $\Box$       | Т        | Ι,       | Ė            | 十                  | -        | ١. | H            | 72        | V        | ╟         | $\vdash$     |              |              | _        | 寸        | 寸        | $\top$              | 1        |          | 122        | +       | T        | $\vdash$     | _  |          |              |                  | Г        | Г        |
| $\vdash$                              | 1       | 1        | +-                      | <del>  _</del> |          | -            | Ë        | -        | H            | T                  | T        | 1  | H            | 73        | N        |           |              |              |              |          |          | $\neg$   |                     | 7        |          | 123        |         | Τ        |              |  |          |              |                  |          |          |
| 1                                     | 2 2 2 2 | +        | T                       | T              | -        | П            |          | _        | Г            |                    | Г        | 1  | Г            | 74        |          |           |              |              |              |          |          |          |                     |          |          | 124        |         | L        |              |  |          |              |                  |          | L        |
|                                       | 2       | 3        | ŀ                       |                |          |              |          |          |              |                    |          | ]  |              | 75        |          |           |              |              |              |          |          |          |                     | _        | ·        | 125        | $\perp$ | 丄        | _            |  | _        |              |                  | L        | L        |
| V                                     | 2       |          |                         |                |          |              | ·        |          |              |                    |          |    |              | 76        | 7        |           | _            | L            | Ш            |          | $\Box$   | _        | $\perp$             | 4        | $\perp$  | 126        | $\perp$ | ╄        | <u> </u>     | _  |          |              |                  | L.       | L        |
| -                                     | 2       | L        | $\perp$                 |                | L        |              | ١        |          | L            | ↓_                 | L        | 1  | ┕            | 77        | N        | 1         | ↓_           | ┡            | Щ            |          | $\dashv$ | _        | $\dashv$            | 4        | $\vdash$ | 127        | +       | 1        | ┞            | _  | L        | $\vdash$     | Н                | <u> </u> | ╀        |
| 1                                     | 2       | 4_       | ┺                       | $\mathcal{A}$  | L        |              | L        | _        | L            | -                  | L        | ┨  | <u> </u>     | 78        | V        | #         | ╁            | ┡            | Н            | Ш        | _        |          | +                   | 4        | $\vdash$ | 128<br>129 | - -     | +        | ╁            | _  | -        | H            | H                | ┝        | ⊢        |
| Ŀ                                     | 17      | <u>'</u> | ╀                       |                | $\vdash$ | _            | <u> </u> | <u> </u> | ┞            | ╀                  | ⊢        | 1  | ⊢            | 79<br>80  | 12       | #         | ╀            | ┝            | H            | -        | -        | $\dashv$ | +                   | $\dashv$ | $\vdash$ | 130        | +       | +        | ┢            |  | $\vdash$ | $\vdash$     | -                | ┝        | ⊢        |
| -                                     | E       | : -      | ╁                       | ┝              | F        | -            | -        | H        | ├-           | ╁╌                 | ├        | 1  | $\vdash$     | 81        | 7        | ╫         | ╁            | ├            | Н            | $\dashv$ | -        | $\dashv$ | $\dashv$            | -        | $\vdash$ | 131        | ╁       | +        | ╌            | ┝  | $\vdash$ |              | -                | ┢        | $\vdash$ |
| -                                     | H       | ;}-      | ╁                       | ╀              | ├-       | H            | ⊢        | ⊢        | ╁            | -                  | ┝        | 1  | $\vdash$     | 82        |          | ╫         | 1-           | $\vdash$     | Н            | $\vdash$ | _        | $\dashv$ | $\dashv$            | 1        | $\vdash$ | 132        | +       | +        | ╁            | $\vdash$   | H        |              | _                | H        | T        |
| -                                     | E       | 3        | $\vdash$                | <del>),</del>  | H        |              | H        | ┢        | ╁╴           | $\vdash$           | ┢        | ١. | $\vdash$     | 83        |          | Ħ         | $^{\dagger}$ |              | Н            |          |          |          | $\dashv$            |          |          | 133        | $\top$  | T        | 1            |  | Г        |              | Г                | Г        | Γ        |
| 1                                     | 13      | 1        |                         |                | $\vdash$ | Г            | Т        | Т        | T            | 1                  | Τ        | 6  | $\vdash$     | 84        |          | 1         | 1            | П            |              |          |          |          |                     |          |          | 134        |         | $\perp$  |              |  |          |              |                  |          |          |
|                                       | 3       | •        | -                       |                |          |              | Г        |          |              | Γ                  | Γ        | ]_ |              | 85        |          |           |              |              |              |          |          |          | $\Box$              |          |          | 135        | $\perp$ | $\perp$  |              |  |          |              |                  | L        | L        |
|                                       | 3       |          |                         |                |          |              |          |          |              |                    |          | ]  |              | 86        |          |           |              |              |              |          |          |          |                     | _        | L        | 136        | $\perp$ | 1        | _            | Ŀ  | L        | L            | _                | L        | $\perp$  |
|                                       | 3       | L        | L                       | 匚              |          | 匚            |          |          |              | $\perp$            | $\perp$  | 1  | L            | 87        | L        | 1         | L            | <b>Ļ</b> _   | $oxed{oxed}$ | Ц        |          |          | $\sqcup$            | 4        | $\perp$  | 137        | 4       | $\bot$   | 1            | <u> </u>   | <u> </u> | L            | _                | -        | $\vdash$ |
|                                       | ß       | 'n       |                         | $\perp$        | $\perp$  | L            | _        | $\vdash$ | _            | 1                  | ┖        | 1  | $\vdash$     | 88        | _        | 1         | $\perp$      | ┡            | _            | Ц        | _        |          | $\vdash \vdash$     | $\dashv$ | $\vdash$ | 138        | -       | +        | $\vdash$     | ⊢  | -        | H            |                  | -        | ₽        |
| L                                     | 39      |          | 1                       | L              | _        | <del> </del> | <u> </u> | $\vdash$ | $\vdash$     | 1                  | $\vdash$ | 1  | $\vdash$     | 89        | -        | ┡         | ╀            | $\vdash$     | L            |          |          | $\vdash$ | $\vdash \downarrow$ | $\dashv$ | -        | 139        | +       | +        | ┼-           | -  | $\vdash$ | -            | $\vdash$         | $\vdash$ | $\vdash$ |
| <u>_</u>                              | 40      | -        | #                       | L              | $\vdash$ | L            | L        | 1_       | ┺            | $\perp$            | 1_       | -  | $\vdash$     | 90        | -        | ╀         | $\vdash$     | <del> </del> | -            | $\vdash$ | Ш        | dash     | $\vdash \downarrow$ | -        | -        | 140        | +       | +        | $\vdash$     | ⊢  | $\vdash$ | $\vdash$     | $\vdash$         | -        | +        |
| _                                     | 4       | עני      | Щ                       | 1              | _        | $\vdash$     | L        | L        | <del> </del> | $\bot$             | ↓        | 1  | $\vdash$     | 91        | 1        | ₽-        | ╀            | ╀-           | $\vdash$     | $\vdash$ | $\vdash$ | Н        | $\vdash$            | $\dashv$ | <u> </u> | 142        | +       | +        | <del> </del> | $\vdash$   | $\vdash$ | -            | ┝                | $\vdash$ | $\vdash$ |
| _                                     | 42      |          | 11                      | -              | _        | ┡            | $\vdash$ | 1        | 1            | +                  | ╀        | -  | $\vdash$     | 92        |          | ╀         | +            | -            | <del> </del> | $\vdash$ | _        | $\dashv$ | $\vdash$            | $\dashv$ | $\vdash$ | 143        | +       | ╁        | $\vdash$     | $\vdash$   | -        | ┝            | ┝                | $\vdash$ | ╁        |
| $\vdash$                              | 4:      |          | $\downarrow \downarrow$ | ┞              | ╀        | 1-           | ├        | $\vdash$ | ┼-           | +-                 | ╀        | 1  | -            | 93        |          | ╀         | +            | ╀            | -            | -        | Н        | $\vdash$ | $\vdash \vdash$     | $\dashv$ | $\vdash$ | 144        | +       | +        | $\vdash$     | $\vdash$   | $\vdash$ | -            | -                | $\vdash$ | t        |
| -                                     | 4       |          | ┼                       | ╀              | ⊢        | ⊢            | ╀        | $\vdash$ | ╀            | +                  | ╀        | 1  | $\vdash$     | 95        |          | +         | ╁╴           | ╁            |              | $\vdash$ | H        | Н        | $\vdash \vdash$     | $\dashv$ | $\vdash$ | 145        | +       | +        | +            | ┢  | -        | H            | Н                | Н        | $\vdash$ |
| $\vdash$                              | 4       |          | ╢                       | ╀╌             | -        | H            | ╁        | $\vdash$ | +            | +                  | +        | ┨  | $\vdash$     | 96        |          | ╁         | +            | ╁            | -            | $\vdash$ | H        | H        | $\vdash$            | $\dashv$ |          | 146        | +       | +        | t            | <del>                                     </del> |          | T            | Г                | Т        | $\vdash$ |
| $\vdash$                              | 47      |          | ╫                       | $\vdash$       | +        | $\vdash$     | $\vdash$ | 1        | +            | t                  | $\vdash$ | 1  |              | 97        |          | t         | $\dagger$    | $\vdash$     | $t^-$        | H        |          | Н        | $\vdash$            | $\dashv$ |          | 147        | 十       | $\top$   | $\vdash$     | Г  |          | Г            | Г                | Γ        | Τ        |
| $\vdash$                              | 41      |          | ╫                       | $\vdash$       | +        | $\vdash$     | t        | ╁        | †-           | $\dagger$          | ✝        | 1  | $\vdash$     | 98        | _        | $\dagger$ | $\dagger$    | $\top$       | Т            | Г        |          | П        |                     |          |          | 148        | 丁       | I        |              |  |          |              |                  |          | Γ        |
|                                       | 49      |          | H                       | T              | T        | 1            | $\vdash$ | T        | T            | T                  |          | 1  |              | 99        |          | I         | Γ            | L            |              |          |          |          |                     |          |          | 149        | $\perp$ | 工        | Į            | $oxed{\Box}$                                     | Ĺ        | $oxed{\Box}$ | L                | $\Box$   | Ĺ        |
|                                       |         | N        | E                       | 1              | Ĺ        | 匚            | L        | L        |              | 1                  |          | ]  |              | 10        |          | Γ         |              |              |              |          |          |          | $\Box$              |          |          | 150        |         | _L_      |              | L  | L        |              | <u> </u>         | <u> </u> | 上        |

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